Yves Poumay

List of Publications by Year
in descending order

118 papers	3,301 citations	172386 29 h-index	155592 55 g-index
131 all docs	131 docs citations	131 times ranked	4531 citing authors

#	Article	IF	Citations
1	Lack of cadherins Celsr2 and Celsr3 impairs ependymal ciliogenesis, leading to fatal hydrocephalus. Nature Neuroscience, 2010, 13, 700-707.	7.1	304
2	Cell Density and Culture Factors Regulate Keratinocyte Commitment to Differentiation and Expression of Suprabasal K1/K10 Keratins. Journal of Investigative Dermatology, 1995, 104, 271-276.	0.3	241
3	Development of a Chitosan Nanofibrillar Scaffold for Skin Repair and Regeneration. Biomacromolecules, 2011, 12, 3194-3204.	2.6	180
4	A simple reconstructed human epidermis: preparation of the culture model and utilization in in vitro studies. Archives of Dermatological Research, 2004, 296, 203-211.	1.1	162
5	Analysis of interleukin-1Î± (IL-1Î±) and interleukin-8 (IL-8) expression and release in in vitro reconstructed human epidermis for the prediction of in vivo skin irritation and/or sensitization. Toxicology in Vitro, 2003, 17, 311-321.	1.1	146
6	Cryopreservation for the elimination of cucumber mosaic and banana streak viruses from banana (Musa spp.). Plant Cell Reports, 2002, 20, 1117-1122.	2.8	134
7	Knockdown of Filaggrin in a Three-Dimensional Reconstructed Human Epidermis Impairs Keratinocyte Differentiation. Journal of Investigative Dermatology, 2014, 134, 2938-2946.	0.3	111
8	Modelling the human epidermis in vitro: tools for basic and applied research. Archives of Dermatological Research, 2006, 298, 361-369.	1.1	99
9	Polysaccharideâ€Coated PCL Nanofibers for Wound Dressing Applications. Advanced Healthcare Materials, 2014, 3, 2032-2039.	3.9	81
10	TMEM45A is essential for hypoxia-induced chemoresistance in breast and liver cancer cells. BMC Cancer, 2012, 12, 391.	1.1	80
11	Ultrastructural changes associated with cryopreservation of banana (Musa spp.) highly proliferating meristems. Plant Cell Reports, 2003, 21, 690-698.	2.8	73
12	Inhibition of Akt Signaling by Exclusion from Lipid Rafts in Normal and Transformed Epidermal Keratinocytes. Journal of Investigative Dermatology, 2010, 130, 1136-1145.	0.3	72
13	Differentiation-Dependent Alternative Splicing and Expression of the Extracellular Matrix Protein 1 Gene in Human Keratinocytes. Journal of Investigative Dermatology, 2000, 114, 718-724.	0.3	71
14	Epidermal morphogenesis during progressive in vitro 3<scp>D</scp> reconstruction at the airâ€“liquid interface. Experimental Dermatology, 2012, 21, 871-875.	1.4	70
15	Cholesterol Depletion Upregulates Involucrin Expression in Epidermal Keratinocytes Through Activation of p38. Journal of Investigative Dermatology, 2004, 123, 564-573.	0.3	68
16	Differential expression and release of cytokines by an in vitro reconstructed human epidermis following exposure to skin irritant and sensitizing chemicals. Toxicology in Vitro, 1999, 13, 867-877.	1.1	62
17	Human EGF Receptor (HER) Family and Heregulin Members Are Differentially Expressed in Epidermal Keratinocytes and Modulate Differentiation. Experimental Cell Research, 2001, 271, 315-328.	1.2	59
18	The tetraspanin CD9 associates with the integrin Î±6Î²4 in cultured human epidermal keratinocytes and is involved in cell motility. European Journal of Cell Biology, 2000, 79, 41-51.	1.6	57

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19	Hyaluronan Metabolism in Human Keratinocytes and Atopic Dermatitis Skin Is Driven by a Balance of Hyaluronan Synthases 1 and 3. Journal of Investigative Dermatology, 2014, 134, 2174-2182.	0.3	57
20	Rapid preparative isolation of concentrated low density lipoproteins and of lipoprotein-deficient serum using vertical rotor gradient ultracentrifugation. Journal of Lipid Research, 1985, 26, 1476-80.	2.0	54
21	Transcriptional Profiling after Lipid Raft Disruption in Keratinocytes Identifies Critical Mediators of Atopic Dermatitis Pathways. Journal of Investigative Dermatology, 2011, 131, 46-58.	0.3	52
22	Basal Detachment of the Epidermis Using Dispase: Tissue Spatial Organization and Fate of Integrin Î±6Î²4 and Hemidesmosomes. Journal of Investigative Dermatology, 1994, 102, 111-117.	0.3	46
23	Candidate Housekeeping Genes Require Evaluation before their Selection for Studies of Human Epidermal Keratinocytes. Journal of Investigative Dermatology, 2009, 129, 770-773.	0.3	46
24	Atopic Dermatitis Studies through In Vitro Models. Frontiers in Medicine, 2017, 4, 119.	1.2	45
25	High-Cell-Density Phorbol Ester and Retinoic Acid Upregulate Involucrin and Downregulate Suprabasal Keratin 10 in Autocrine Cultures of Human Epidermal Keratinocytes. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 1999, 2, 138-144.	1.7	44
26	Internalization of EGF receptor following lipid rafts disruption in keratinocytes is delayed and dependent on p38 MAPK activation. Journal of Cellular Physiology, 2008, 217, 834-845.	2.0	40
27	Heparin-Binding EGF-Like Growth Factor Is Induced by Disruption of Lipid Rafts and Oxidative Stress in Keratinocytes and Participates in the Epidermal Response to Cutaneous Wounds. Journal of Investigative Dermatology, 2008, 128, 717-727.	0.3	40
28	Reconstruction of Normal and Pathological Human Epidermis on Polycarbonate Filter. Methods in Molecular Biology, 2013, 1195, 191-201.	0.4	38
29	Ophiobolin A, a sesterterpenoid fungal phytotoxin, displays higher in vitro growth-inhibitory effects in mammalian than in plant cells and displays in vivo antitumor activity. International Journal of Oncology, 2013, 43, 575-585.	1.4	33
30	High <scp>TMEM</scp>45A expression is correlated to epidermal keratinization. Experimental Dermatology, 2014, 23, 339-344.	1.4	31
31	The CYP26 inhibitor R115866 potentiates the effects of all-transretinoic acid on cultured human epidermal keratinocytes. British Journal of Dermatology, 2009, 160, 505-513.	1.4	30
32	Methylâ€Î²â€cyclodextrin concurs with interleukin (<scp>IL</scp>)â€4, <scp>IL</scp>â€13 and <scp>IL</scp>â€25 to induce alterations reminiscent of atopic dermatitis in reconstructed human epidermis. Experimental Dermatology, 2018, 27, 435-437.	1.4	29
33	Study of Epidermal Differentiation in Human Keratinocytes Cultured in Autocrine Conditions. Methods in Molecular Biology, 2010, 585, 71-82.	0.4	28
34	Proteomic Profiling of Human Keratinocytes Undergoing UVB-Induced Alternative Differentiation Reveals TRIpartite Motif Protein 29 as a Survival Factor. PLoS ONE, 2010, 5, e10462.	1.1	28
35	Repeated exposures to UVB induce differentiation rather than senescence of human keratinocytes lacking p16INK-4A. Biogerontology, 2010, 11, 167-181.	2.0	26
36	Calcium entry into keratinocytes induces exocytosis of lysosomes. Archives of Dermatological Research, 2004, 296, 30-41.	1.1	24

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37	Knockdown of PKD1 in normal human epidermal keratinocytes increases mRNA expression of keratin 10 and involucrin: early markers of keratinocyte differentiation. Archives of Dermatological Research, 2008, 300, 139-145.	1.1	24
38	In vitro models of dermatophyte infection to investigate epidermal barrier alterations. Experimental Dermatology, 2018, 27, 915-922.	1.4	24
39	Human Epidermal Keratinocytes Upregulate Expression of the Prolactin Receptor after the Onset of Terminal Differentiation, but Do Not Respond to Prolactin. Archives of Biochemistry and Biophysics, 1999, 364, 247-253.	1.4	22
40	Expression of lysosome-associated membrane protein 1 (Lamp-1) and galectins in human keratinocytes is regulated by differentiation. Archives of Dermatological Research, 2006, 298, 73-81.	1.1	22
41	HBâ€EGF synthesis and release induced by cholesterol depletion of human epidermal keratinocytes is controlled by extracellular atp and involves both p38 and ERK1/2 signaling pathways. Journal of Cellular Physiology, 2011, 226, 1651-1659.	2.0	22
42	Specific internalization of basal membrane domains containing the integrin alpha 6 beta 4 in dispase-detached cultured human keratinocytes. European Journal of Cell Biology, 1993, 60, 12-20.	1.6	22
43	Effects of the cyclin-dependent kinase inhibitor CYC202 (R-roscovitine) on the physiology of cultured human keratinocytes. Biochemical Pharmacology, 2005, 70, 824-836.	2.0	19
44	Studies of cell signaling in a reconstructed human epidermis exposed to sensitizers: IL-8 synthesis and release depend on EGFR activation. Archives of Dermatological Research, 2012, 304, 289-303.	1.1	18
45	Modeling dermatophytosis in reconstructed human epidermis: A new tool to study infection mechanisms and to test antifungal agents. Medical Mycology, 2016, 55, myw111.	0.3	18
46	Functional redundancy of extracellular matrix protein 1 in epidermal differentiation. British Journal of Dermatology, 2007, 157, 771-775.	1.4	16
47	Hyaluronan Does Not Regulate Human Epidermal Keratinocyte Proliferation and Differentiation. Journal of Biological Chemistry, 2016, 291, 6347-6358.	1.6	16
48	Methyl-Î²-cyclodextrin treatment combined to incubation with interleukin-4 reproduces major features of atopic dermatitis in a 3D-culture model. Archives of Dermatological Research, 2017, 309, 63-69.	1.1	16
49	In vitro anticancer activity, toxicity and structureâ€“activity relationships of phyllostictine A, a natural oxazatricycloalkenone produced by the fungus Phyllosticta cirsii. Toxicology and Applied Pharmacology, 2011, 254, 8-17.	1.3	15
50	Incubation of endothelial cells in a superoxide-generating system: Impaired low-density lipoprotein receptor-mediated endocytosis. Journal of Cellular Physiology, 1988, 136, 289-296.	2.0	14
51	Responses of Reconstructed Human EpidermisÂto Trichophyton rubrum InfectionÂandÂImpairment of Infection byÂtheÂInhibitor PD169316. Journal of Investigative Dermatology, 2019, 139, 2080-2089.e6.	0.3	14
52	Dual role of protein kinase C on mitogen-activated protein kinase activation and human keratinocyte proliferation. Experimental Dermatology, 2002, 11, 344-348.	1.4	12
53	HB-EGF, the Growth Factor that Accelerates Keratinocyte Migration, But Slows Proliferation. Journal of Investigative Dermatology, 2012, 132, 2129-2130.	0.3	12
54	Preparation and characterizations of EGDE crosslinked chitosan electrospun membranes. Clinical Hemorheology and Microcirculation, 2015, 60, 39-50.	0.9	12

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55	Ca2+/calmodulin-dependent protein kinase (CaM-kinase) inhibitor KN-62 suppresses the activity of mitogen-activated protein kinase (MAPK), c-myc activation and human keratinocyte proliferation. Archives of Dermatological Research, 2002, 294, 198-202.	1.1	11
56	The inhibition of the expression of the small Rho GTPase Rac1 induces differentiation with no effect on cell proliferation in growing human adult keratinocytes. Journal of Cellular Biochemistry, 2008, 103, 857-864.	1.2	11
57	p38 MAPK-regulated EGFR internalization takes place in keratinocyte monolayer during stress conditions. Archives of Dermatological Research, 2010, 302, 229-233.	1.1	11
58	Deletion of TNFAIP6 Gene in Human Keratinocytes Demonstrates a Role for TSG-6 to Retain Hyaluronan Inside Epidermis. JID Innovations, 2021, 1, 100054.	1.2	11
59	Hyaluronidase-1 Is Mainly Functional in the Upper Granular Layer, Close to the Epidermal Barrier. Journal of Investigative Dermatology, 2015, 135, 3189-3192.	0.3	9
60	TMEM45A Is Dispensable for Epidermal Morphogenesis, Keratinization and Barrier Formation. PLoS ONE, 2016, 11, e0147069.	1.1	9
61	Characterization of CYP26B1-Selective Inhibitor, DX314, as a Potential Therapeutic for Keratinization Disorders. Journal of Investigative Dermatology, 2021, 141, 72-83.e6.	0.3	9
62	Immunogold silver staining associated with epi-fluorescence for cucumber mosaic virus localisation on semi-thin sections of banana tissues. European Journal of Histochemistry, 2007, 51, 153-8.	0.6	9
63	Development of a procedure to simultaneously isolate RNA, DNA, and proteins from characterizing cells invading or cultured on chitosan scaffolds. Analytical Biochemistry, 2009, 393, 145-147.	1.1	8
64	Non-senescent keratinocytes organize in plasma membrane submicrometric lipid domains enriched in sphingomyelin and involved in re-epithelialization. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 958-971.	1.2	8
65	Skin Disease Models In Vitro and Inflammatory Mechanisms: Predictability for Drug Development. Handbook of Experimental Pharmacology, 2021, 265, 187-218.	0.9	8
66	Epidermal Hyaluronan in Barrier Alteration-Related Disease. Cells, 2021, 10, 3096.	1.8	8
67	Ultrastructural Morphology of the Male and Female Genital Tracts of Psoroptes spp. (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.7	7
68	The small Rho GTPase Rac1 controls normal human dermal fibroblasts proliferation with phosphorylation of the oncoprotein c-myc. Biochemical and Biophysical Research Communications, 2007, 359, 834-839.	1.0	7
69	In vitro reconstruction of epidermis from primary Darier's disease keratinocytes replicates the histopathological phenotype. Journal of Dermatological Science, 2013, 71, 138-140.	1.0	7
70	The activation of cultured keratinocytes by cholesterol depletion during reconstruction of a human epidermis is reminiscent of monolayer cultures. Archives of Dermatological Research, 2015, 307, 309-318.	1.1	7
71	Histological study of sheep skin transformation during the recreation of historical parchment manufacture. Heritage Science, 2020, 8, .	1.0	7
72	Utilization of human cultured epidermal keratinocytes: irreversibility of the inhibition of proliferation induced in stored detached cultures. Burns, 1991, 17, 205-208.	1.1	6

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73	Processing and characterization of the low density lipoprotein receptor in the human colonic carcinoma cell subclone HT29-18: A potential pathway for delivering therapeutic drugs and genes. Bioscience Reports, 1992, 12, 483-494.	1.1	6
74	Modelling atopic dermatitis during the morphogenetic process involved in reconstruction of a human epidermis. Current Research in Translational Medicine, 2016, 64, 179-183.	1.2	6
75	HDAC2 and 7 down-regulation induces senescence in dermal fibroblasts. Aging, 2021, 13, 17978-18005.	1.4	6
76	The ornithine decarboxylase inhibitor, difluoromethylornithine, inhibits casein kinase II activity, c-Myc expression and normal human keratinocyte proliferation. Archives of Dermatological Research, 2002, 293, 590-593.	1.1	5
77	Lipid Rafts and the Oxidative Stress Hypothesis. Journal of Investigative Dermatology, 2010, 130, 1457-1459.	0.3	5
78	Meaning of relative gene expression in multilayered cultures of epidermal keratinocytes. Experimental Dermatology, 2014, 23, 754-756.	1.4	5
79	Use of Polarised Light Microscopy to Improve Conservation of Parchment. Studies in Conservation, 2019, 64, 284-297.	0.6	5
80	The Reconstructed Human Epidermis Models in Fundamental Research. , 2009, , 967-976.		5
81	Effects of the CDK-inhibitor CYC202 on p38 MAPK, ERK1/2 and c-Myc activities in papillomavirus type 16 E6- and E7-transformed human keratinocytes. Oncology Reports, 2007, 18, 999-1005.	1.2	4
82	Cholesterol and Lipid Rafts as Regulators of Signaling Through the EGF Receptor in Keratinocytes. Open Dermatology Journal, 2009, 3, 151-158.	0.5	3
83	The Dumb ErbB Receptor Helps Healing. Journal of Investigative Dermatology, 2007, 127, 995-997.	0.3	2
84	Preclinical assessment of dual CYP26[A1/B1] inhibitor, DX308, as an improved treatment for keratinization disorders. Skin Health and Disease, 2021, 1, e22.	0.7	2
85	Science and the Web. Science, 1998, 280, 1171d-1171.	6.0	2
86	Lipid Rafts and Keratinocyte Apoptosis: Regulation via Death Receptors and Akt. Open Dermatology Journal, 2009, 3, 163-165.	0.5	2
87	Towards a Standardized Procedure for the Production of Infective Spores to Study the Pathogenesis of Dermatophytosis. Journal of Fungi (Basel, Switzerland), 2021, 7, 1029.	1.5	2
88	Influence of a short oxidative stress on the LDL endocytosis by human endothelial cells: an ultrastructural study. Journal of Submicroscopic Cytology and Pathology, 1992, 24, 61-73.	0.3	2
89	Basal cell adhesion to a culture substratum controls the polarized spatial organization of human epidermal keratinocytes into proliferating basal and terminally differentiating suprabasal populations. Epithelial Cell Biology, 1993, 2, 7-16.	0.1	2
90	Association between integrins and epidermal tetraspanins in normal human keratinocytes. Journal of Dermatological Science, 1998, 16, S73.	1.0	1

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91	394 Analysis of keratinocyte response to Trichophyton rubrum dermatophyte infection in a model of reconstructed human epidermis. Journal of Investigative Dermatology, 2017, 137, S260.	0.3	1
92	887 Trichophyton rubrum infection on reconstructed human epidermis induces simultaneous epidermal barrier disruption and keratinocytes activation. Journal of Investigative Dermatology, 2018, 138, S151.	0.3	1
93	Experimental Models of Dermatophytosis. , 2021, , 135-160.		1
94	Basal-cells anchorage and proliferation in a cultured human epithelium. Cell Biology International Reports, 1990, 14, 251.	0.7	0
95	Morphological appearence of human cultured epidermal sheets after dispase detachment. Micron and Microscopica Acta, 1991, 22, 269-270.	0.2	0
96	Basal Cell Adhesion Controls the Polarized Arrangement of Proliferating and Differentiating Keratinocytes in Culture. Journal of Tissue Viability, 1992, 2, 24-25.	0.9	0
97	The splice variant of the ECM1 gene is expressed during the late phases of terminal differentiation of the epidermis. Journal of Dermatological Science, 1998, 16, S71.	1.0	0
98	Transient upregulation of LAMP-1 expression during the differentiation of epidermal keratinocytes. Journal of Dermatological Science, 1998, 16, S77.	1.0	0
99	Effect of prolactin on cultured human epidermal keratinocytes. Journal of Dermatological Science, 1998, 16, S156.	1.0	0
100	Use of reconstructed epidermis to assess keratinocyte activation by skin irritant and sensitizing compounds. Journal of Dermatological Science, 1998, 16, S185.	1.0	0
101	Epidermal reference genes at the forefront of data interpretation. Experimental Dermatology, 2015, 24, 738-739.	1.4	0
102	Access to the bigger picture in histology. Nature, 2015, 519, 291-291.	13.7	0
103	326 Modeling dermatophytosis in reconstructed human epidermis. Journal of Investigative Dermatology, 2016, 136, S216.	0.3	0
104	103 Sphingomyelin concentrates into lipid microdomains only in non-senescent cells and enhances keratinocyte migration. Journal of Investigative Dermatology, 2016, 136, S178.	0.3	0
105	427 Development of senescence corresponds to the loss of sphingomyelin-enriched submicrometric domains and their associated EGFR-signaling in epidermal keratinocytes. Journal of Investigative Dermatology, 2016, 136, S76.	0.3	0
106	529 Novel CYP26 inhibitors potentiate the effects of all- trans -retinoic acid on phenotype of normal and Darier disease keratinocytes in reconstructed human epidermis. Journal of Investigative Dermatology, 2017, 137, S91.	0.3	0
107	125 Characterization of TSG-6 protein in healthy and inflammatory models of reconstructed human epidermis. Journal of Investigative Dermatology, 2017, 137, S214.	0.3	0
108	917 In vitro model of altered epidermal barrier indicates roles for as yet unsuspected receptors. Journal of Investigative Dermatology, 2018, 138, S156.	0.3	0

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109	621 TSG-6 is a hyaluronan-binding protein overexpressed in inflammatory conditions in reconstructed human epidermis. Journal of Investigative Dermatology, 2018, 138, S106.	0.3	0
110	726 Novel CYP26B1-selective inhibitor increases measures of epidermal barrier function in healthy, darierâ€™s, and ichthyotic econstructed human epidermis. Journal of Investigative Dermatology, 2018, 138, S123.	0.3	0
111	382 Infection by dermatophytes of reconstructed human epidermis is impaired by PD169316 via inhibition of fungal growth. Journal of Investigative Dermatology, 2019, 139, S280.	0.3	0
112	294 TSG-6 invalidation in immortalized keratinocytes using CRISPR/Cas9 method. Journal of Investigative Dermatology, 2019, 139, S265.	0.3	0
113	229 Elaboration of reconstructed sheep epidermis. Journal of Investigative Dermatology, 2019, 139, S253.	0.3	0
114	193 Epidermal invasion by Malassezia spp. yeasts in 3D-reconstructed tissue. Journal of Investigative Dermatology, 2021, 141, S35.	0.3	0
115	110 Deletion of TNFAIP6 gene in human keratinocytes by CRISPR/Cas9 edition demonstrates a role for TSG-6 to retain hyaluronan inside epidermis. Journal of Investigative Dermatology, 2021, 141, S20.	0.3	0
116	Effects of the CDK-inhibitor CYC202 on p38 MAPK, ERK1/2 and c-Myc activities in papillomavirus type 16 E6- and E7-transformed human keratinocytes. Oncology Reports, 0, , .	1.2	0
117	Editorial: Lipid Rafts in Keratinocyte Biology and Pathology. Open Dermatology Journal, 2009, 3, 140-140.	0.5	0
118	Endocytosis of low density lipoproteins in human endothelial cells: typical morphological aspects of the high affinity receptor-mediated pathway as revealed by serial sections and acid phosphatase cytochemistry. Journal of Submicroscopic Cytology and Pathology, 1989, 21, 627-39.	0.3	0